



# KERALA GAZETTE

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## PART III

### Stores Purchase

#### Animal Husbandry Department

#### TENDER NOTICE

[No. III/2010-11]

No. 770/2007.

15th December 2010.

Sealed competitive tenders are invited from approved manufacturers or authorised distributors/dealers for the supply of the following instruments/equipments for the use of Biosafety Level-II facility at Avian Disease Diagnostic Laboratory, Thiruvalla.

Sl. No.	Name of Items	Quantity (No.)
1	Biosafety cabinet class II type B2	1
2	Microplate Reader with personal computer and printer	1
3	Refrigerated Microcentrifuge	1
4	Ultra low Freezer	1
5	Double door Autoclave	1
6	Micropipettes	5
7	Hot Air Oven	1

Total Amount—` 12,50,000.

Earnest Money Deposit—1% of the total quoted amount.

Cost of tender form :

Original—` 1,900 + 4 % VAT.

Duplicate—` 1,000 + 4 % VAT.

Last date and time upto which tender is issued—28-1-2011, 3 p. m.

Last date and time of receiving tender—29-1-2011, 4 p. m.

Date and time of opening of tender—31-1-2011, 2 p. m.

Address of Office from which tender forms are available and tenders are received—Avian Disease Diagnostic Laboratory, Manjadi P. O., Thiruvalla, Pin-689 105, Pathanamthitta District, Kerala.

All Kerala Government Orders and Laws applicable to tenders are applicable to this tender also. Full details of the above item will be available along with tender forms. The validity of this tender will be for 12 months from the date of this tender notification.

തിരുവല്ല പക്ഷിരോഗ നിർണ്ണയശാല ലബോറട്ടറിയിലെ ബയോസേഫ്റ്റി ലെവൽ II സൗകര്യത്തിലേക്കായി താഴെ പറയുന്ന ഉപകരണങ്ങൾ വിതരണം ചെയ്യുവാൻ താൽപ്പര്യമുള്ള നിർമ്മാണ സ്ഥാപനങ്ങൾ/അംഗീകൃത വിതരണക്കാർ എന്നിവരിൽനിന്നും മുദ്രവച്ച ദർഘാസുകൾ ക്ഷണിച്ചുകൊള്ളുന്നു.

ക്രമ നമ്പർ	ഉപകരണത്തിന്റെ പേര്	എണ്ണം
1	ബയോസേഫ്റ്റി ക്യാബിനറ്റ് ക്ലാസ് II ടൈപ്പ് ബി2	1
2	മൈക്രോപ്ലേറ്റ് റീഡറും പേഴ്സണൽ കമ്പ്യൂട്ടറും പ്രിന്ററും	1
3	റഫ്രിജറേറ്റഡ് മൈക്രോസെൻട്രിഫ്യൂജ്	1
4	അൾട്രാ ലോ ഫ്രീസർ	1
5	ടബിൾ ഡോർ ഓട്ടോക്ലേവ്	1
6	മൈക്രോപിപ്പറ്റുകൾ	5
7	ഹോട്ട് എയർ ഓവൻ	1
8	ഇൻക്യുബേറ്റർ	1

അടങ്കൽ തുക — ` 12,50,000.

നിരതദ്രവ്യം—ആകെ തുകയുടെ 1 %.

ദർഘാസ് ഫോറത്തിന്റെ വില :

അസ്സൽ—` 1,900 + 4 % മുല്യ വർദ്ധിത നികുതി.

പകർപ്പ്—` 1,000 + 4 % മുല്യ വർദ്ധിത നികുതി.

ദർഘാസ് ഫോറം നൽകുന്ന അവസാന തീയതിയും സമയവും—28-1-2011 വൈകിട്ട് 3 മണി.

ദർഘാസ് ഫോറം സ്വീകരിക്കുന്ന അവസാന തീയതിയും

സമയവും—29-1-2011 വൈകിട്ട് 4 മണി.

ദർഘാസ് തുറന്നു പരിശോധിക്കുന്ന തീയതിയും സമയവും—31-1-2011, 2 മണി.

ദർഘാസ് ഫോറം നൽകുകയും സ്വീകരിക്കുകയും ചെയ്യുന്ന ഓഫീസിന്റെ വിലാസം—പക്ഷിരോഗ നിർണ്ണയശാല, മഞ്ഞാടി പി. ഒ., തിരുവല്ല, പത്തനംതിട്ട ജില്ല, കേരളം, പിൻ-689 105.

കേരള സർക്കാർ ദർഘാസുകൾക്ക് ബാധകമാകുന്ന എല്ലാ നിയമങ്ങളും ഈ ദർഘാസിനും ബാധകമാണ്. ഉപകരണങ്ങളുടെ എല്ലാ വിവരങ്ങളും ദർഘാസ് ഫോറത്തിനൊപ്പം ലഭ്യമാണ്. ഈ ദർഘാസിന്റെ കാലാവധി ഈ ദർഘാസ് പരസ്യപ്പെടുത്തിയതു മുതൽ 12 മാസത്തേക്കാൾ കൂടുതലായിരിക്കുന്നതാണ്.

## SPECIFICATIONS

### I Biosafety Cabinet

Type-Class II B2

Internal Dimension-1270×560×670mm

Digital display and Magnahelic pressure gauge

Outward Air flow-through Exhaust HEPA filter

HEPA filter-with efficiency of 99.99%

Air cleanliness-ISO 14664.1 Class3

Down flow-70%

Inflow initial set point-0.45m/s

Down flow-0.3m/s

Noise level-less than 60 decibel

Erection and installation of cabinet.

### II ELISA Microplate Reader and Analysis Software together with Personal Computer

#### Microplate Reader

Wavelength range : 400-750nm

Photometric range : 0.0-3.5 OD

Linearity :  $\leq 1.0\%$  from 0.0-2.0 OD  
 $\leq 2.0\%$  from 0.0-3.0 OD

Accuracy :  $\pm 1.0\%$  or 0.010 from 0.000-3.000 OD at 490nm

Precision : 1.0% or 0.005 OD from 0.0-2.0 OD  
1.5% from 2.0-3.0 OD

Resolution : 0.001 OD

Plate shaking : low, mid and high speed

Read time : 6 sec. at single wavelength, 10 sec. at dual wavelengths

Data output : Onboard graphical printer, printer paper and USB2 interface

with PC

Data Storage : Calendar/clock function; 64 assay Protocols.

Ability to read flat-, U-, or V-bottom microplates or 8-or 12-well strip plates.

6 standard UV filters for absorbance reading.

Automatic calibration before each reading and Variable-speed plate-shaking capability

8-position filter wheel with 4 standard filters

USB2 port for external computer control with Microplate Analysis Software.

Data and protocol presentation on LCD display.

Data storage of protocols, standard curves and graphs.

Ability to detect lamp burnout at startup

Motorized door for plate loading.

Software for analysis of absorbance values.

#### Personal Computer with Laser Printer

Intel ® Core™ i3-550 Processor (3.20GHz, 1333MHz, FSB, 4MB Cache)

Genuine Windows (R) 7 Home Basic 64 bit (English)

4GB (2 × 2GB) DDR3 SDRAM 1133MHz Memory

320GB SATA 3.0Gb/s Hard Drive with Native Command Queuing

18.5" Widescreen Flat Panel Monitor

512MB Dedicated Video Card

16× DVD±RW with Dual Layer Write Capability  
One Year Warranty.

All in one Laser Printer

### III High Speed Refrigerated Micro-centrifuge

Refrigerated centrifuge for holding and centrifuging microcentrifuge tubes of 1.5 and 2.0 ml size; Rotor 24×1.5/2.0 ml

Ultra-quiet powerful cooling-CFC Free

Maximum speed—13000 rpm.

Maximum RCF—10000g Acceleration time to maximum speed :  $\leq 13s$

Braking time from maximum speed  $\leq 12s$

Temperature control range: 0°C-40°C

Timer: 30s to 99 min, with continuous mode, LCD

display.

#### IV Ultralow Freezer

-80 degree celcius, CFC-Free, Foam Insulation, 170 litre capacity.

Heavy Gauge Steel Cabinet

Heavy Duty Swivel Casters

Adjustable Shelves, Key Lock

Air Insulated Inner Doors

Eye-Level Controls

Microprocessor control system with Digital Temperature Display

Set Point Security System

Air-Cooled Cascade Refrigeration System and High Capacity Air-Cooled

Condenser; Air Cooled Compressors

100% CFC-free refrigerant, <50 db noise

Microprocessor controlled alarm and Remote Alarm Contacts

Battery Backup and suitable voltage stabilizer.

#### V Double Door Autoclave

Fully automated double door autoclave with high safety lid

Chamber volume-65 Litre

Loading capacity-250 ml flasks

10 air changes per hour

#### VI Micropipette

Volume range	Volume	Volume increment	Accuracy	Precision
0.1-2.5 µl	0.25 µl	0.002 µl	±12.0%	≤6.0%
	1.25 µl		To	To
	2.5 µl		±1.4%	≤0.7%
2-20 µl	2 µl	0.02 µl	±5.0%	≤1.5 %
	10 µl		To	To
	20 µl		±1.0%	≤0.3%
20-200 µl	20 µl	0.2 µl	±2.5%	≤0.7%
	100 µl		To	To
	200 µl		±0.6%	≤0.2%
100-1,000 µl	100 µl	0.1 µl	±3.0%	≤0.6%
	500 µl		To	To
	1,000 µl		±0.6%	≤0.2%
30-300 (8-Channel)	30 µl		±3.0	≤1.0%
	150 µl		To	To
	300 µl		±0.6	≤0.3%

(In each Volume Range, I No. of Micropipette is required. All the micropipettes should be autoclavable, chemically resistant, with 4-digit display and have a

minimum of Three year warranty)

- Pipette Stand:
1. One number for variable single channel pipettes
  2. One number for Multichannel pipette

#### VII Hot Air Oven

Ergonomic design, digital display

Energy efficient and Low Maintenance

Outer Body PCRC Sheet pre-heated

Inner Body SS 304

Three Shelves

Inner Chamber 300×300×300 mm

Inner Volume 28 Litre (Optional 45 litre and 95 litre)

Temperature 5°C above ambient up to 250°C

Sensor Pt 100; sensor alarm

Safety Thermostat variable type with 3 PID controllers

Real time program and Timer

#### VIII Incubator

Double door sealing type, ambient + 5°C upto 110°C

External dimension: 450×450×450 mm

Volume-95 litres, Three side heating element with thermostat.

Inner chamber-stainless steel, with air circulation fan

Door handle, digital display of temperature controller cum indicator.

Avian Disease Diagnostic Laboratory, Thiruvalla-689 105.

(Sd.)

Deputy Director.

#### TENDER NOTICE

[No. 1/2009-10]

No. 1/2009-10.

3rd January 2011.

Sealed and competitive tenders are invited from the manufacturers/suppliers for the supply of fibre glass motor boat for Motor Boat Veterinary Hospital, Alappuzha for the year 2009-10.

The tender should include the following :

1. Specification of the item with rate (inclusive of taxes or any other charges)
2. Brochure from original manufacturers (in case of agents) AMC conditions (period of visits in a year etc.) warrant conditions, years of warranty etc.
3. Copy of ISO certificate, if any.
4. Original tender form duly signed by authorised

signatory.

5. Preliminary agreement in Kerala Stamp Paper worth ₹ 50.
6. EMD by means of demand draft in favour of the Senior Veterinary Surgeon, Motor Boat Veterinary Hospital payable at Alappuzha.

Details of fibre glass motor boat to be supplied to the motor boat Veterinary Hospital, Alappuzha can be had along with the tender form and the department website [ahdKerala.gov.in](http://ahdKerala.gov.in)

Cheques, Postage Stamps, Postal Orders, Demand Draft etc. will not be accepted as the cost of tender form nor the form be sent by Value Payable Post. Tender forms can be obtained from the Motor Boat Veterinary Hospital, Alappuzha on payment of the cost in cash during office hours. Late tenders will not be considered under any circumstances.

Tender should be superscribed as “Tender No. 1/2009-10 for the supply of Fibre Glass Motor Boat for Motor Boat Veterinary Hospital, Alappuzha for the year 2009-10”.

Cost of tender form :

Original— ₹ 1,400 + VAT @ 4% + 1% Cess.

Duplicate— ₹ 700 + VAT @ 4% + 1% Cess.

Last date and time for sale of tender form—6-2-2011, 3 p. m.

Due date and time for receipt of tenders—7-2-2011, 3 p. m.

Date and time for opening of tenders—8-2-2011, 3 p. m.

Date upto which the rates are to be firm for acceptance—31-3-2011.

Designation and Address of the Officer from whom the tender forms are to be obtained and to whom the tenders are to be submitted—The Senior Veterinary Surgeon, Motor Boat, Veterinary Hospital, Alappuzha, Pin-688 006.

#### SPECIAL CONDITIONS

1. The rates quoted should be inclusive of all taxes only.
2. Instruction manual should be specified and a copy shall be submitted along with the tender.
3. The supply should be from the new stock noting the original specification, make of model etc. The supply should be completed as per the date mentioned in the supply order.
4. The rate quoted should be in Indian currency and the payment will be in Indian currency.
5. Advance payment against bank guaranty.
6. The security deposit furnished by the firm will be

released only after the guaranty.

7. If the date scheduled for receipt /opening of tenders is declared as a holiday (local or general) tenders will be received and opened on the next working day respectively.
8. The undersigned reserves all the rights to delete any items from the tender without assigning any reason thereof.
9. The photocopy of the documents produced along with the tender should be attested by a Gazetted Officer.
10. The undersigned reserves the rights to delete or waive any of the above special conditions.

#### 1. General Description :

- (i) Length overall: 5.6 m
- (ii) Breadth : 2.0 m
- (iii) Draft (max) : 0.5 m
- (iv) Speed : 8 knots
- (v) Capacity : 8 persons
- (vi) Material : FRP
- (vii) Engine : Outboard Motor (OBM)

*Note:*— The dimensions given above are approximate and minor variations that do not affect the capacity, functions or speed of the boat shall be permitted with consent of the owner.

#### 2. Materials and Workmanship :

All materials, workmanship and finish shall be of high standard. The necessary test reports and specifications of raw materials used in the construction should be submitted to the owner. Low Alkali E-type Glass, Glass fibre chopped strand mat shall conform to BS 3496-1989 and Glass fibre BS3691-1060. Lay up resin shall be of the best marine grade Isophthalic and preferred for use by the Indian Navy, Coast Guards, Fisheries etc.

The resin manufacturer's recommendations are to be followed as regards to the addition of hardeners, catalyst, accelerators. The exact preparation should be maintained throughout to maintain the quality of GRP lay-up. Air trap during lamination should be removed. Layers are to be built up evenly and successive layers are to be added only after the curing of the previous layers. Excessive heat up shall be avoided. Curing time should be as per standard.

3. **Hull :** Hull thickness should be of sufficient as required by the IRS rules for inland FRP vessels. The quality of materials used for construction of the hull and necessary properties of the hull should be tested and verified by competent authority and necessary certificates should be submitted to the owner after the authorisation by the concerned inspection agency.

The hull shall be subdivided into a minimum of 3 compartments by providing a collision bulkhead and

an aft peak bulkhead.

4. *Engine*: The engine shall be out board engine of power of approximately 15 HP. Suitable arrangements and additional strengthening shall be made at the aft end of the boat for fitting the OBM.
5. *Mooring Arrangement*:
  - (a) Anchor and chain of suitable size shall be provided on the fore deck for holding the boat on anchor.
  - (b) 3 Nos. of mooring bollards of suitable size shall be conveniently located.
  - (c) Suitable clamps shall be provided to fit the mooring rope.
6. *Steering and Speed Control*: Steering wheel and remote Control for throttle should be provided so that the OBM can be controlled from the helmsman's position facing forward.
7. *Canopy*: Rigid canopy is to be provided in way of driver and passenger seating with effective protection from sun, wind and rain.
8. *Seating Arrangement*: Seating arrangement should be provided for 8 persons including driver. Separate bucket seat should be provided for driver.
9. *Locker*: A locker with sufficient capacity to store medicines, microscope cryocan and other necessary items shall be provided.
10. *Fuel tank*: A fuel tank with sufficient capacity for travel time of 16 hours at the design speed shall be provided with proper and safe securing arrangements.
11. *Tests and Trials*: A speed trial and manoeuvring trial shall be conducted to demonstrate the speed and manoeuvrability of the vessel to the satisfaction of the owner and statutory authorities. A swamp test shall be conducted to demonstrate the non-sinkability of the vessel to the satisfaction of the owner and statutory authorities. The transverse stability of the boat shall be assessed and the relevant documents shall be submitted to and approved by the statutory authorities.
12. *Life saving appliances (LSA) and Fire-fighting appliances (FFA)*: LSA and FFA shall be provided as per the applicable rules and regulations.
13. *Navigation Lights*: Navigation lights shall be provided as per the applicable rules and regulations.
14. *Guarantee period*: There shall be guarantee for a period of 1 year from the date of delivery of the boat against any defect both mechanical as well as body part.

Office of the Senior Veterinary Surgeon, Motor Boat, Veterinary Hospital,

(Sd.)

Alappuzha.

Principal.

## TENDER NOTICE

No. 3/2010-11.

27th December 2010.

Sealed tenders are invited for the supply of the following items required for Strengthening of Infrastructure of District Veterinary Centre, Malappuram during the year 2010-11 from original manufacturers or their approved dealers. The tender should be superscribed "Tender for the supply of items-Strengthening of District Veterinary Centre, Malappuram-2010-11, Items A/B/C" and should be addressed to Chief Veterinary Officer, District Veterinary Centre, Malappuram, Kerala-676 505.

Item	Name of Item	Quantity
		No.
A	Cow lift	1
B	Portable surgical set	1
C	Refrigerator	1
Probable Amount of Contract—Item A—`		33,000.
„ B—`		32,000.
„ C—`		20,000.

Cost of tender form :

Original—` 300 + 4 % VAT + Cess.

Earnest Money Deposit—1% of the total cost of tendered item.

Last date and time for sales of tender forms—4-2-2011, 5 p. m.

Last date and time for receipt of tender forms—5-2-2011, 3 p. m.

Date and time of opening of tender—5-2-2011, 4 p. m.

Date upto which tenders are to be firm—31-3-2011.

Name of Office for tender forms and receiving tenders—District Veterinary Centre, Up Hill, Malappuram, Kerala-676 505, Phone 0483 2734815.

All the rules and regulations applicable to Government tenders will be applicable to this tender also. Prices quoted should be all inclusive. The officer receiving the tender will have right to accept or reject the tenders partially or completely. Further details and detailed specifications will be available from this office during working hours.

മലപ്പുറം ജില്ലാ വെറ്ററിനറി കേന്ദ്രത്തിലെ ചികിത്സാ രോഗനിർണ്ണയ സൗകര്യങ്ങൾ ശക്തിപ്പെടുത്തുന്നതിനും നവീകരിക്കുന്നതിനുമായി താഴെ പറയുന്ന ഉപകരണങ്ങൾ വിതരണം ചെയ്യാൻ താൽപ്പര്യമുള്ള നിർമ്മാണ സ്ഥാപനങ്ങൾ/ അംഗീകൃത വിതരണക്കാർ എന്നിവരിൽ നിന്നും മുദ്രവച്ച ദർഘാസുകൾ ക്ഷണിച്ചുകൊള്ളുന്നു. ദർഘാസുകൾ "ജില്ലാ വെറ്ററിനറി കേന്ദ്രം-ശാക്തീകരണത്തിനുള്ള ഉപകരണങ്ങൾക്കായുള്ള ദർഘാസ് 2010-11 ഇനം A/B/C" എന്ന പേരിൽ



“ചീഫ് വെറ്ററിനറി ഓഫീസർ, ജില്ലാ വെറ്ററിനറി കേന്ദ്രം, മലപ്പുറം, കേരള-676 505” എന്ന അഡ്രസ്സിൽ സമർപ്പിക്കേണ്ടതാണ്.

ഇനം	പേര്	എണ്ണം
എ	കൗ ലിഫ്റ്റ്	1
ബി	പോർട്ടബിൾ സർജിക്കൽ സെറ്റ്	1
സി	റെഫ്രിജറേറ്റർ	1
ഏകദേശ ദർഘാസ് തുക—ഇനം—എ		33,000.
,,		ബി 32,000.
,,		സി 20,000.

നിരതദ്രവ്യം—ആകെ തുകയുടെ 1 %.

ദർഘാസ് ഫോറത്തിന്റെ വില— 300 + 4 % വാറ്റ് + സെസ്സ്.

ദർഘാസ് ഫോറം ലഭിക്കുന്ന അവസാന തീയതിയും സമയവും—4-2-2011 വൈകുന്നേരം 5 മണി.

ദർഘാസ് ഫോറം സ്വീകരിക്കുന്ന അവസാന തീയതിയും സമയവും—5-2-2011 വൈകുന്നേരം 3 മണി.

ദർഘാസ് ഫോറം പരിശോധിക്കുന്ന തീയതിയും സമയവും—5-2-2011 വൈകുന്നേരം 4 മണി.

ദർഘാസ് ഫോറം നൽകുകയും സ്വീകരിക്കുകയും ചെയ്യുന്ന ഓഫീസിന്റെ വിലാസം—ജില്ലാ വെറ്ററിനറി കേന്ദ്രം, കുന്നുമ്മൽ, മലപ്പുറം, പിൻ-676 505, ഫോൺ 0483 2734815.

കേരള സർക്കാർ ദർഘാസുകൾക്ക് ബാധകമാകുന്ന എല്ലാ നിയമങ്ങളും ഈ ദർഘാസിനും ബാധകമാണ്. ഉപകരണങ്ങളുടെ എല്ലാ വിവരങ്ങളും ദർഘാസ് പ്രമാണത്തിനോടൊപ്പം ലഭ്യമാണ്. ദർഘാസുകൾ പൂർണ്ണമായോ ഭാഗികമായോ സ്വീകരിക്കുന്നതിനും നിരാകരിക്കുന്നതിനും താഴെ പറയുന്ന ഓഫീസർക്ക് അധികാരം ഉണ്ടായിരിക്കും.

District Veterinary Centre,  
Malappuram.

(Sd.)  
Chief Veterinary Officer.

